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# Seminars

AUTHOR(S):

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RIGHT:

# SEMINARS

Prof ANG, How Ghee  
Energetics Research Institute, Nanyang Technological University,  
Singapore  
“EnRI and the New Generation of Energetic Materials”  
9 December 2010

Prof APELOIG, Yitzhak  
Israel Institute of Technology, Israel  
“Low-Coordinate Silicon Compounds: Experiment and Theory  
in Synergy”  
23 April 2010

Prof ARNER, Elias  
Department of Medical Biochemistry and Biophysics, Karolinska  
Institutet, Stockholm, Sweden  
“Structure and Catalytic Functions of the Mammalian Seleno-  
protein Thioredoxin Reductase 1 (TrxR1)”  
8 June 2010

Prof AWAZU, Kunio  
Department of Engineering, Osaka University, Japan  
“The Present and the Future of Laser Medical Treatment –Toward  
the Disease-selective Laser Medical Treatment–”  
23 June 2010  
“Toward the Disease-selective Laser Medical Treatment –the  
Expectation for Mid-infrared Lasers–”  
17 November 2010

Prof AZECHI, Hiroshi  
Institute of Laser Engineering, Osaka University, Japan  
“New Attempt to Laser Energy Science”  
6 May 2010

Assoc Prof BATZOGLOU, Serafim  
Computer Science Department, Stanford University, USA  
“Extracting Medical and Ancestry Information from Genomes”  
1 July 2010

Dr BHUSHAN, Ravi  
Physical Research Laboratory, India  
“Trace Elements in the Sea: GEOTRACES Indian Perspective”  
9 November 2010

Prof BOUCHIAT, Helene  
Laboratoire de Physique des Solides, Universite Paris-Sud, Orsay,  
France  
“Quantum Transport in Graphene”  
6 August 2010

Prof CHAIRUANGSRI, Torranin  
Department of Industrial Chemistry, Faculty of Science, Chiang  
Mai University, Thailand  
“ZnO Nanostructures for Nano-Device Applications”  
“Nano-Precipitation Phenomena in Cast Metals”  
30 March 2010

Prof CHEN, Luonan  
Shanghai Institutes for Biological Sciences, Chinese Academy  
of Sciences, China, P. R.  
“Screening Biomolecular Networks Based on High Throughput  
Data”  
5 November 2010

Dr CHEN, Shih-Yun  
National Taiwan University of Science and Technology, Taiwan  
“STEM/EELS Analysis on Transition-Metal Compounds with  
Superconducting and Magnetic Properties”  
20 July 2010

Prof DOUCET, Henri  
Institut Sciences Chimiques de Rennes, Université de Rennes,  
Catalyse et Organometalliques, Rennes, France  
“Palladium-Catalyzed Functionalization of Heteroaromatics via  
C-H Bond Activation”  
12 July 2010

Prof Em EGERTON, Raymond F  
Physics Department, University of Alberta, and National Insti-  
tute for Nanotechnology Edmonton, Canada  
“EELS for Nanoscience”  
5 April 2010

Prof FISCHER, Roland A  
Anorganische Chemie II, Ruhr-Universität Bochum, Bochum,  
Germany  
“Carbenoid Group-13 Metal Ligands and Their Use for Synthesis  
of Novel Metal Rich Molecules”  
21 October 2010

Prof FUCHI, Shingo  
Graduate School of Engineering, Nagoya University, Japan  
“Development and Applications of Near-Infrared Light with  
Glass Phosphorescence”  
“Knowledge on Patent Useful for Researchers: From Stand-  
points of Examiner in Patent Office”  
22 November 2010

Prof FUJIKAWA, Seizo  
Graduate School of Agriculture, Hokkaido University, Hokkaido,  
Japan  
“The Effect of Supercooling-facilitating Substances”  
2 February 2010

Assoc Prof FUJINO, Shigeru  
Graduate School of Engineering, Kyushu University, Fukuoka, Japan  
“Nanoprinting Technology of Silica Glass”  
24 June 2010

Prof FUJIWARA, Takumi  
Graduate School of Engineering, Tohoku University, Sendai, Japan  
“Micro-optical Functional Glasses Prepared by Laser-processing”  
24 June 2010

Prof GABRYS, Barbara J  
University of Oxford, UK  
“Man-made Materials: Blessing or Curse?”  
21 May 2010

Prof GAN, Liangbing  
College of Chemistry and Molecular Engineering, Peking University, China, P. R.  
“Fullerene Skeleton Modification: Preparation of Open-cage and Aza Fullerene Derivatives”  
29 October 2010

Prof GARIÉPY, Jean  
Department of Medical Biophysics, University of Toronto, Toronto, Canada  
Princess Margaret Hospital, Ontario Cancer Institute, Toronto, Canada  
“A Ribosomal Peptide as a Scaffold for Developing Antidotes against Common Ribosome-Inactivating Protein Toxins”  
24 August 2010

Dr GLOTER, Alexandre  
Laboratoire de Physique des Solides, France  
“ADF and EELS in Aberration Corrected STEM”  
23 August 2010

Prof GRÄSLUND, Astrid  
Department of Biochemistry and Biophysics, Stockholm University, Stockholm, Sweden  
“Biophysical Studies of Cell Penetrating Peptides and Their Membrane Interactions”  
2 November 2010

Prof GRIESER, Manfred  
Max Planck Institut für Kernphysik, Germany  
“Recent Developments at the Storage Rings, TSR & CSR”  
4 June 2010

Assist Prof HASHISAKA, Masayuki  
Research Center for Low Temperature Physics, Tokyo Institute of Technology, Tokyo, Japan  
“Surface Acoustic Wave on Semiconductor Microstructure”  
23 July 2010

Assoc Prof HAYASHI, Ken-ichiro  
The Faculty of Science, Okayama University of Science, Okayama, Japan  
“Chemical Biology of the Phytohormone Auxin”  
12 November 2010

Prof HE, Jiasong  
The Chinese Academy of Sciences, Beijing, China, P. R.  
“Applied Rheology of Polymer Composite Containing Thermotropic Liquid Crystalline Polymers”  
4 November 2010

Assoc Prof HEMANDEZ, Olivier  
University of Rennes 1, France  
“Low Temperature Oxygen Mobility in Solid Oxide Ion Conductors: Recent Key Contributions from Neutron and Synchrotron Facilities”  
27 July 2010

Prof JIN, Xiaofeng  
Department of Physics, Fudan University, Shanghai, China, P. R.  
“Unveiling the Intrinsic Origin of the Anomalous Hall Effect”  
9 July 2010

Prof KANG, Kicheon  
Department of Physics, Chonnam National University, Korea, R.  
“Quantum Mechanics Helps Sensitive and Efficient Charge Detection”  
12 March 2010

Dr KATO, Masaki  
Structural Glycobiology Team, RIKEN Advanced Science Institute, Wako, Saitama, Japan  
“Bioinformatics for Glycobiology: From the Viewpoints of Wet Laboratory”  
8 March 2010

Prof KEUNINGS, Roland  
Université Catholique de Louvain, Louvain-la-Neuve, Belgium  
“The Proper Generalized Decomposition”  
16 August 2010

Prof KITA, Yasuyuki  
College of Pharmaceutical Sciences, Ritsumeikan University, Kyoto, Japan  
“My Dream : Discovering a New Drug”  
12 November 2010

Prof KNAPP, Ernst-Walter  
Institute of Chemistry & Biochemistry, Free University of Berlin, Germany  
“SPARROW a Protein Secondary Structure Predictor, Variations on an Old Theme”  
23 July 2010

Assoc Prof KOGA, Tad  
Stony Brook University, USA  
“Interfacial Structure and Dynamics of Soft Matter as Studied by Quantum Beam”  
30 July 2010

Assist Prof KORENAGA, Toshinobu  
Okayama University, Okayama, Japan  
“Rate Enhancement of Metal-Catalyzed Reaction by Highly Electron Deficient Diphosphene Ligand”  
17 November 2010

Prof KOTORA, Martin  
Charles University, Czech Republic  
“Substituted Dewar Benzenes: Synthesis, Reactivity and Application”  
6 January 2010

Prof KROL, Alain  
Centre National de la Recherche Scientifique (CNRS), Strasbourg, France  
“An Unanticipated Complexity to Incorporate Selenocysteine into Proteins Important for Health and Disease”  
9 February 2010

Dr KWAK, Yung Wan  
Department of Chemistry, Carnegie Mellon University, USA  
“New Development of ATRP and RAFT Polymerization”  
21 September 2010

Prof LEE, Hee-Seung  
Korea Advanced Institute of Science and Technology, KAIST, Korea, R.  
“Design and Synthesis of Unnatural Oligomers that can Mimic Various Biological Functions”  
23 February 2010

Prof LIU, Chen-Yang  
The Chinese Academy of Sciences, Beijing, China, P. R.  
“Probe Rheology: a Simple Method to Test Chain Dynamics”  
4 November 2010

Prof LONG, Didier  
CNRS/Rhodia, Saint-Fons, France  
“Unique Plastic and Recovery Behavior of Nanofilled Elastomers and Thermoplastic Elastomers”  
31 August 2010

Prof LUH, Tien-Yau  
Department of Chemistry, National Taiwan University, Taiwan  
“Alternating Dialkylsilylene-Divinylarene Copolymers”  
29 January 2010

Prof MAZET, Clement  
Department of Organic Chemistry, University of Geneva, Geneva, Switzerland  
“Access to Chiral Aldehyde by Iridium Catalysis”  
9 July 2010

Assist Prof MITSUDOME, Takato  
Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University, Osaka, Japan  
“Development of a Novel Wacker-type Process without Copper Catalyst”  
5 March 2010

Prof MUGESH, Govindasamy  
Indian Institute of Science, India  
“Antioxidant Activity of Organoselenium and Tellurium Compounds”  
24 December 2009

Prof MUNEYUKI, Eiro  
Department of Physics, Chuo University, Tokyo, Japan  
“Single-Molecule Experiment on Molecular Motor and Its Connection to  $F_1$ -ATPase Energetics”  
23-25 August 2010

Assoc Prof NAKAMURA, Atsuyoshi  
Graduate School of Information Science and Technology, Hokkaido University, Sapporo, Japan  
“Algorithms for Finding a Minimum Repetition Representation of a String”  
11 November 2010

Assoc Prof NEGISHI, Yuichi  
Department of Chemistry, Faculty of Science Division I, Tokyo University of Science, Tokyo, Japan  
“Synthesis and Characterization of Magic Number Cluster of Gold, Palladium, and Platinum”  
10 July 2010

Mr NODA, Toshiaki; Ms NATSUME, Hideko  
Nagoya University, Aichi, Japan  
“Glass Instruments Affecting the Outcome of Experiments”  
13 May 2010

Assist Prof OKA, Takashi  
Graduate School of Science, University of Tokyo, Tokyo, Japan  
“Photon-induced Hall Effect”  
20 April 2010

Prof ORGAN, Michael G  
Department of Chemistry, York University, Toronto, Canada  
“Designing a Catalyst from First Principles for C–C and C–X Bond Formation”  
8 November 2010

Dr OTSUKA, Yuji  
Morphological Research Laboratory, Toray Research Center Inc., Shiga, Japan  
“Local Structure Analysis of Wire-laminated Part in ULSI by STEM-EELS”  
15 January 2010

Assoc Prof OYAMA, Tokitaka  
Graduate School of Science, Kyoto University, Kyoto, Japan  
“Cyanobacterial Circadian Oscillation System: Its Oscillator and Transcriptional Output Regulation”  
26 March 2010

Assoc Prof PARK, Seung Bum  
Department of Chemistry, Seoul National University, Seoul, Korea, R.  
“Development of Novel Therapeutic Agents Using Molecular Diversity and Chemical Biology”  
8 October 2010

Prof PIEL, Joern  
Kekulé Institute of Organic Chemistry and Biochemistry, University of Bonn, Bonn, Germany  
“Mining (meta)genomes for Drug Discovery and Development”  
2 September 2010

Mr ROTZOLL, Robert  
Georg-August-University of Göttingen, Germany  
“Surface-Initiated Radical Polymerizations from Silica Particles: From Polymer Loops to Propagation Kinetics”  
4 November 2010

Prof SHING, Tony K M  
Department of Chemistry, The Chinese University of Hong Kong, Hong Kong, China, P. R.  
“Carbocyclization of Carbohydrates: Syntheses of Bioactive Hydroxylated Cycloalka(e)nes–Calistegines, Gabosines and Pseudo-Acarviosin”  
3 June 2010

Assoc Prof SJOLANDER, Kimmen  
Department of Bioengineering, College of Engineering, University of California Berkeley, USA  
“New Methods for Functional Site Identification, Orthology Prediction and Multiple Sequence Alignment”  
16 July 2010

Prof STUDER, Armido  
Westfälische Wilhelms University, Münster, Germany  
“Nitroxides in Synthesis, Polymer Chemistry and for the Modification of Surfaces”  
21 May 2010

Assoc Prof SUGIYAMA, Masashi  
Graduate School of Information Science and Engineering, Tokyo Institute of Technology  
“Density Ratio Estimation: A New Versatile Tool for Machine Learning”  
24 November 2010

Prof TAKEUCHI, Ichiro  
University of Maryland, USA  
“Magnetoelectronics: Sensors and Other Device Applications of Multiferroic Thin Film Heterostructures.”  
8 July 2010

Prof TAMM, Matthias  
Institut für Anorganische und Analytische Chemie, Technische  
Universität Carlo-Wilhelmina zu Braunschweig, Braunschweig,  
Germany  
“Early Transition Metal Complexes with NHC Ligands: Structures and Catalysis”  
12 February 2010

Assist Prof TSUKAZAKI, Atsushi  
Institute for Materials Research, Tohoku University, Sendai, Japan  
“Quantum Transport Properties in Oxide Semiconductor MgZnO/  
ZnO Hetero-structure”  
10 May 2010

Dr UEDA, Akiko  
Department of Physics, Ben Gurion University, Beer Sheva, Israel  
“Electron Transport through a Single Molecular Junction with  
Electron-Phonon Coupling”  
13 July 2010

Assoc Prof VALANOOR, Nagarajan  
University of New South Wales, Australia  
“New Oxide Thin Films”  
22 January 2010

Prof VARNEK, Alexandre  
Faculty of Chemistry, University of Strasbourg, France  
“Condensed Graphs of Reaction: An Efficient Way of Reactions  
Mining”  
28 October 2010

Assist Prof WU, Ji-shan  
National Singapore University, Singapore  
“Fused Polycyclic Aromatics: Synthesis and Opportunities in  
Material Science”  
22 October 2010

Prof WULFHEKEL, Wulf  
Physikalisches Institut Universität Karlsruhe, Karlsruhe, Germany  
“An Introduction to Scanning Tunneling Microscopy (STM) and  
Magnetic Imaging with Spin-polarized STM”  
4 November 2010  
“Applications of STM beyond Imaging: Molecular Spintronics  
and Magneto-electric Coupling”  
9 November 2010

Assist Prof YAMAMOTO, Michihisa  
Graduate School of Engineering, University of Tokyo, Tokyo,  
Japan  
“Electron Transport in Coupled Quantum Wires and Electronic  
State in the One-dimensional Electron System”  
22 February 2010

Assoc Prof YAMANAKA, Masamichi  
Department of Chemistry, Faculty of Science, Shizuoka University,  
Shizuoka, Japan  
“Supramolecular Chemistry on Various Synthetic Organic  
Molecules: From Cavitand to LMWG”  
13 October 2010

Assist Prof YOSHIMOTO, Soichiro  
Priority Organization for Innovation and Excellence, Kumamoto  
University, Kumamoto, Japan  
“Supramolecular Pattern of Various Organic Molecules on 2D  
Bimolecular ‘Chessboard’ Consisting of Bottom-up Assembly of  
Porphyrin and Phthalocyanines”  
27 August 2010

Assoc Prof ZETTERLUND, Per B  
The University of New South Wales, Sydney, Australia  
“Radical Polymerization in Miniemulsion Based on Low-Energy  
Emulsification”  
8 June 2010